

Mössbauer study of some perovskite-related oxides

Zaripova L., Valiullin A., Boltakova N., Bashkirov S.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Complex perovskite-related oxides with various structure types: orthoferrites, 4-1-5, 8-8-20, and 1-2-3 were studied using Mössbauer spectroscopy. Correlations between magnetic ordering of iron atoms and their structural coordination, as well as between oxygen deficiency and iron ion valence, were found. © 2006 by Allerton Press, Inc.
